

March 2006 WDR Abbreviated Sampling Plan
Building 2, Former C-6 Facility
Boeing Realty Corporation,
Los Angeles, California

Table 1 presents the details of the WDR groundwater monitoring program as required by the general Waste Discharge Requirements Order No. R4-2002-0030: Series 007. Monitoring wells will be gauged prior to collecting groundwater samples to determine static water levels and total well depth. Low-flow purging to maintain uniform flow rates on the order of 0.1 to 0.5 liters/min will be used to collect groundwater samples from these wells and minimize disturbance to the groundwater in the well such that drawdown is less than 0.3 foot. Samples collected from each well will be tested for biogeochemical parameters using a YSI unit, field test kits, and fixed-base laboratory analyses. The YSI unit, with flow through cell, will be used to measure pH, dissolved oxygen (DO), oxidation-reduction potential (ORP), Electrical Conductivity (EC), and temperature. Hach, Inc. field test kits will be used to measure ferrous iron (Fe [II]) and hydrogen sulfide. Following field test kit analyses, groundwater samples will be collected for analysis of volatile organic compounds (VOCs) by EPA Method 8260B and total sulfides by EPA Method 376.1 or approved equal. All other procedures, including quality assurance (QA) and data validation, will be as described in the 2006 Groundwater Monitoring Work Plan (CDM, January 31, 2006).

Table 1
March 2006 WDR Monitoring Program
Former C-6 Facility
Los Angeles, California

Well ID	Water Bearing Unit	Sampling Order ¹	Quarterly WDR Event Analytical Program March 2006		
			Water Level Gauging	VOCs (8260B) and Total Sulfides	Field Parameters ²
Groundwater Monitoring Wells					
CMW001	C-Sand	Included in Regular GW Monitoring Event	Included in Regular GW Monitoring Event	Included in Regular GW Monitoring Event	Same as Regular GW Monitoring Event, ADD Hydrogen Sulfide
CMW002	C-Sand				
CMW026	C-Sand				
Bioremediation Monitoring Wells					
IRZB0081	B-Sand	1	x	x	x
IRZB0095	B-Sand	2	x	x	x
IRZMW001A	B-Sand	13	x	x	x
IRZMW001B	B-Sand	5	x	x	x
IRZMW002A	B-Sand	11	x	x	x
IRZMW002B	B-Sand	3	x	x	x
IRZMW003A	B-Sand	12	x	x	x
IRZMW003B	B-Sand	6	x	x	x
IRZMW004	B-Sand	9	x	x	x
IRZMW005	B-Sand	7	x	x	x
IRZCMW001	C-Sand	4	x	x	x
IRZCMW002	C-Sand	8	x	x	x
IRZCMW003	C-Sand	10	x	x	x
Quality Control Samples					
Duplicates (1 per 20 wells)				x (est. 1)	
Rinsate Blanks (1 per day)				x (est. 2)	
Field Blanks (1 per day)				x (est. 2)	
Decon Water (1 per day)				x (est. 2)	
Trip Blanks (1 per day)				x (est. 2)	

Notes:

est. = Quality control sample number estimated based on estimated number of sampling days.

VOCs = Volatile organic compounds by EPA Method 8260B and Total Sulfides by EPA Method 376.1 or EQUAL

¹ Sampling order for March 2006 based on the results of the December 2005 quarterly event

² Field Parameters = pH, dissolved oxygen (DO), oxidation-reduction potential (ORP), electrical conductivity (EC), temperature, ferrous iron, and hydrogen sulfide